

ABSTRACT OF THE DISCLOSURE

In a diffraction grating used in an optical head device leading light, diffracted light exiting from each of the plurality of areas is lead to a

5 corresponding particular photo-detecting area of the photodetector. Each of the plurality of areas of the diffraction grating is produced either by first two-beam interference exposure to interference fringes from first divergent light from a position equivalent to a light

10 emitting point on the light source of the optical head device and second divergent light form a position equivalent to a light receiving point corresponding to each photo-detecting area, or by second two-beam interference exposure to interference fringes from first

15 convergent light converging at the position equivalent to the light emitting point on the light source and second convergent light converging at the point equivalent to the light receiving point corresponding to each photo-detecting area.